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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,384	03/11/2004	Shijun Sun	7146.0198	7250
52894	7590	07/08/2005	EXAMINER	
SCOTT KRIEGER 4609 NW BASS ST. CAMAS, WA 98607			LEE, Y YOUNG	
			ART UNIT	PAPER NUMBER
			2613	

DATE MAILED: 07/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/799,384

Applicant(s)

SUN ET AL.

Examiner

Y. Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-38 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1, 13, and 25, drawn to a method of selectively filtering an image based upon a similarity of the DC components and the AC components, classified in class 375, subclass 240.26.
 - II. Claims 2, 14, 26, 37, and 38, drawn to a method of selectively filtering an image based upon coding parameters of adjacent regions, classified in class 375, subclass 240.01.
 - III. Claims 3, 15, and 27, drawn to a method of selectively filtering an image based upon whether at least one of the adjacent regions is intra-coded, classified in class 375, subclass 240.13.
 - IV. Claims 4, 16, and 28, drawn to a method of selectively filtering an image based upon whether at least one of the adjacent regions is encoded with residuals, classified in class 375, subclass 240.27.
 - V. Claims 5, 17, and 29, drawn to a method of selectively filtering an image based upon determining whether at least two of the adjacent regions are predicted based upon two different reference frames, classified in class 375, subclass 240.12.
 - VI. Claims 6-8, 18-20, and 30-32, drawn to a method of selectively filtering an image based upon determining whether at least two of the adjacent

regions have an absolute difference of motion vectors, classified in class 375, subclass 240.16.

- VII. Claims 9, 21, and 33, drawn to a method of selectively filtering an image based upon coding parameters of adjacent regions that are intra-coded, classified in class 375, subclass 240.13.
- VIII. Claims 10, 22, and 34, drawn to a method of selectively filtering an image based upon whether adjacent regions are intra-coded or encoded with residuals, classified in class 375, subclass 240.12.
- IX. Claims 11, 23, and 35, drawn to a method of selectively filtering an image based upon whether adjacent regions are intra-coded, encoded with residuals, or predicted based upon two different reference frames, classified in class 375, subclass 240.01.
- X. Claims 12, 24, and 36, drawn to a method of selectively filtering an image based upon whether at least two adjacent regions have an absolute difference of motion vectors that falls within a set of values, classified in class 375, subclass 240.16.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I, II, III, IV, V, VI, VII, VIII, IX, and X are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as identifying DC and AC components of the transform coefficients for adjacent regions. See MPEP § 806.05(d).

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, III, IV, V, VI, VII, VIII, IX, X, or vice versa, restriction for examination purposes as indicated is proper.

5. A telephone call was made to Mr. K. Russell on 6/9/05 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. Lee whose telephone number is (571) 272-7334.

The examiner can normally be reached on (571) 272-7334.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571) 272-7418. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Y. Lee
Primary Examiner
Art Unit 2613

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